

a current transformer located on each high voltage line in said motor control enclosure for measuring the current in each high voltage line and producing a low voltage signal proportional to the measured current;

an E-plug module located inside said motor control enclosure connected to each of said current transformers for processing said low signals there from for use by an externally located motor monitoring system; and

a quick connect means mounted on an outside surface of said motor control enclosure having a connection to said E-plug module inside said enclosure and to a motor monitoring system outside said enclosure.